User manual and medical device booklet

Videomatic LUX

REINECKER REHA-TECHNIK GmbH

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REINECKER REHA-TECHNIK

Konformitätserklärung
Declaration of conformity

Wir erklären in alleiniger Verantwortung, dass das Produkt
We declare under our sole responsibility that the product

Videomatic LUX

auf das sich diese Erklärung bezieht, mit der /den folgenden Normen oder normatischen Dokumenten übereinstimmt.
to which this declaration relates is in conformity with the following guidelines.

Es entspricht damit den Bestimmungen der folgenden Richtlinie:
it corresponds to the rules of the following guidelines

Richtlinie 93/42/EWG
des Rates vom 14. Juli 1993 über Medizinprodukte
Klasse I nach Anhang VII

Guideline 93/42/EWG
of „The Council of 14th June 1993 about medical products"
Class I / Annexe VII

Die CE– Kennzeichnung auf dem Gerät dokumentiert diese Übereinstimmung.
The CE mark on the system points out this accordance.

Alsbach-Hähnlein,
14.01.2008
.....
Ort und Datum der Ausstellung
Place and date of issue

M. Reinecker Geschäftsführer
M. Reinecker President, CEO
.....
Name und Unterschrift des Befugten
Name and signature of the authorized person

Contents

EC-Declaration of conformity 2
Important notes on the operation of Videomatic LUX 5
Product description 6
Purpose 6
Product life 6
Security advice 6
Classification 6
Installation/Connection 7
Attaching the remote control bracket 7
Connection and switching on 7
Adjusting the monitor height 7
Ergonomic notice 8
Adjusting the monitor angle 8
Switches and controls 8
Power switch 8
Remote control 8
Colour selection 9
Contrast/Brightness 9
Line marker/Blanking 9
Adjusting the magnification/zoom +/- 10
Automatic colour saturation 10
Monitor settings on the TFT 10
Automatic saving of the instrument settings 10
Operation of the x/y table 11
Changing the lamps 11

Use in conjunction with medical products 12
Dealing with faults 12
Security checks. 12
Environmentally friendly disposal according to
EC directive 2002/96EG 12
Special advice for transport and storage 13
Power cable 13
Power input socket with fuse 13
Product identity 14
Operating and using 15
Malfunctions or repeated error record 16
Maintenance record 17
Security checks. 18
Conditions of warranty 19
Contact 20

Important notes on the operation of Videomatic LUX

- Read these notes carefully before initial operation -

1. Notes on the electromagnetic compatibility (EMV)

The opto-electronic reading device is suited for use in all set-ups including the domicile that are connected directly to a public mains supply that powers buildings for residential purposes.

The opto-electronic reading device is designed for use in the indicated electro-magnetic environment. The customer or user should ensure the use in the indicated environment.

The opto-electronic reading device operates on HF-energy exclusively for its own function. Therefore the emitted interference of high frequency disturbances is very low and the interference other appliances operated close-by is improbable.

When operating the system simultaneously with other systems, however, the possibility of disturbances of the system or other systems should not be neglected.

For this reason it should be ensured that the system is not placed directly beside or on top of another system.

If the set-up of the system in the proximity of medical, analogical measuring devices cannot be avoided, the operator of these devices has to be informed that it is necessary to observe the performance of the system to control the conventional use of the system in the chosen set-up.

Electronic devices are sensitive towards electric discharge and towards high-frequency electro-magnetic fields.

In order to avoid high-frequency disturbances the operator should respect a minimum distance of one meter to portable and mobile HF-telecommunication devices.

User Manual, please read carefully!

Product description

Electronic reading devices magnify text or pictures. The text or pictures are recorded the camera and are displayed on the integrated screen. The frame rate is 60Hz at a resolution of 1280x1024.

Purpose

Reading systems are medical devices to assist with the reading of printed text. Visually impaired people compensate for their deficiency or illness by using this device.

Product life

Seven years from the date of production, provided that the recommended maintenance measures are carried out.

Security advice

The devices are conceived for installation in closed and dry rooms exclusively. In medical environments this device must not be operated on the same electrical circuit as devices for purposes of maintaining life. This device should not be operated in explosion-endangered environments. This opto-electronic device should only be installed in conjunction with modern electrical circuitry. It is a device of a protection class I. The openings in the casing ensure optimum cooling and must not be covered.

!NOTE! Make sure that no liquids get inside the unit.

Classification of degree of protection / Type B

The systems are classified according to type B. Should the leakage current of the entire unit exceed the maximum admissible value by using a monitor with excessive leakage current, in the worst case a prickle in the fingers can occur.

Installation/ Connection

The screen reading system will be delivered, set up and explained by an adviser of medical products.
Take the camera system out of its packing and put it on a solid sub-surface. You might use the height adjustable tabels by Reinecker Reha- Technik GmbH.
If the reading system should be set up with a height adjustable table, you have to fix it with 3 screws which are included in the delivery.

Attaching the remote control bracket

See supplement.

Connection and switching on

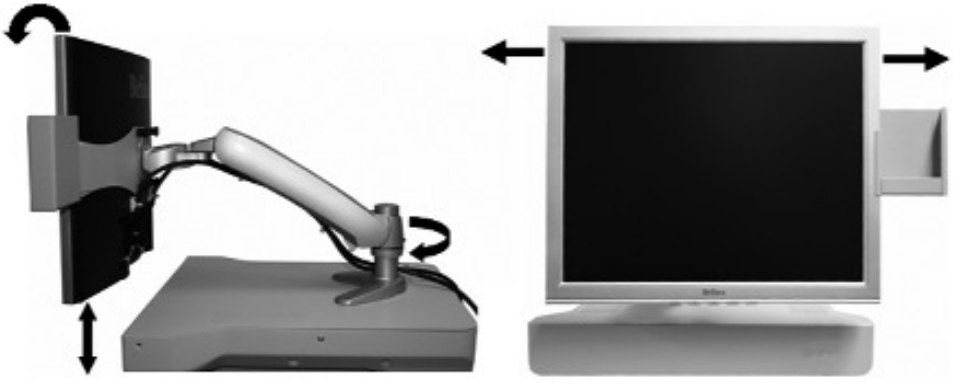
The camera system must be connected to a mains wall socket by using the mains lead included in the delivery.

!Please note!: The plug socket is exclusively for the operation of the TFT-monitor supplied.

The system is now ready for use.

Adjusting the monitor height

The highly flexible monitor arm enables the user to adjust the monitor height and angle to meet individual needs.



Ergonomic notice

In order to prevent reflections on the screen, you should avoid direct light falling on it when adjusting the Videomatic LUX. Always position the reading systems monitor to avoid reflections.

Adjusting the monitor angle

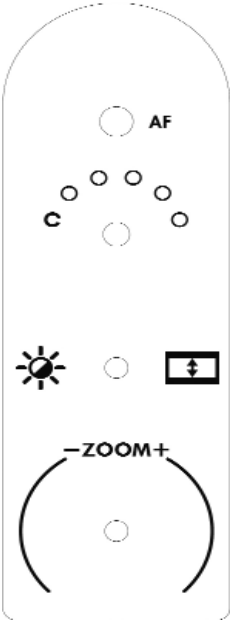
The level of contrast and brightness on the TFT will change depending on the angle of the screen. These will have to be adjusted to accomodate your position in relation to the monitor.

Switches and controls

Power switch

The on / off switch of the device is found on the front panel. After switching the device on, the reading table will be illuminated.
!Please note!: If the reading table does not illuminate you should check that the leads and plugs are all firmly connected to the wall socket (at the camera as well as at the camera system).

Remote Control



autofocus on/off

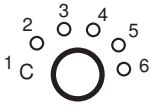
choice of colour

contrast/brightness
line ruler/line cover

magnification/zoom

By pressing the AF-button the autofocus will be switched on/off.
If the autofocus is switched on the AF-LED display flashes. Within its reproduction scale the camera sets automatically its optimal sharpness.

Colour selection



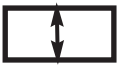
With the colour selection control the following background-colours can be selected:

Position 1: Full colour display
Position 2: white font, black background
Position 3: black font, white background
Position 4: green font, black background
Position 5: yellow font, black background
Position 6: yellow font, blue background

Contrast / brightness

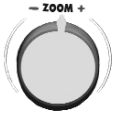
Setting the contrast with the Symbol control influences the difference between bright and dark parts of the screen. Contrast and brightness are adjusted at the same time. low contrast; low brightness (stop position left); maximum contrast; maximum brightness (stop position right)

Line marker / blanking



From the left limit stop of the control to the central position the blanking is activated evenly from bottom and top. From the central position of the control to the right limit stop the line marker is activated. It can be positioned over the entire screen.

Adjustment of the magnification ZOOM +/-



The magnification range of the reading system is between
17” TFT monitor: from approx. x3- x75
19” TFT monitor from approx. x3,3- x85
22” TFT monitor from approx. x4,4- x104
The magnification depends on the distance between the document and the camera. The magnification setting last used will be active when the system is switched on again.

While adjusting the magnification the current levle will be shown temporarily.

The camera adjusts automatically, within its scale of repro duction, to optimum focus. At the maximum magnification, the camera automatically provides a sharp picture up to a thickness of the document of 4,5 cm.

Automatic colour saturation

Brightness and saturation are automatically adjusted, colours are displayed true to original.

Monitor settings on the TFT

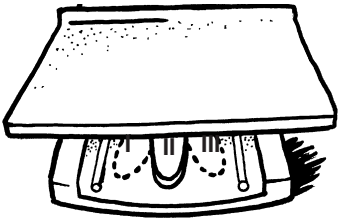
Videomatic LUX is preset in the factory. The settings must not be changed on the TFT monitor.

Saving favourite settings automatically

When you reset the device all settings used before will be activated again.

Operating the x/y table

The use of x/y table is quick and easy to learn.



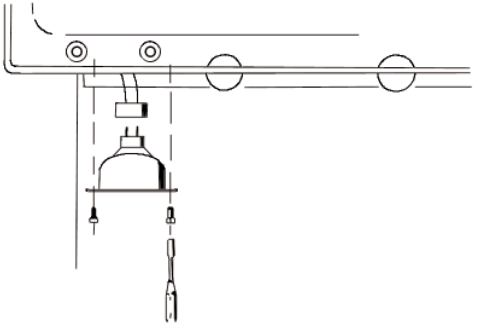
I. The x/y table can be moved in all directions.
II. The x/y table can be moved only to the right or left
III. The x/y table is locked in position. Important when writing or for transport.

Warning: x/y table is only to be used for reading. Do not place anything within the movement area of the x/y table.

Changing the lamps

Attention! Before replacing lamps, the mains plug must be disconnected!

The system is equipped with 2x20 watt halogenlamps. If replacement of lamps is required, only original halogenlamps (order number 26019) shall be used. The replacement shall only be done by a specialist or by Reinecker Reha-Technik GmbH.



Use in conjunction with medical products

If the operator or user intends to run this opto-electronic device together with other medical devices such as cardiac pacemakers, the written permission of Reinecker Reha-Technik GmbH is required first.

Daeling with faults

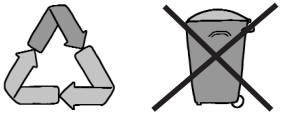
If technical problems do occur, the unit must be switched off immediately and the mains plug disconnected. In this condition, the unit shall not be used! Refer directly to your local dealer or to Reinecker headquarters.

Security checks

Security checks must only be executed by technicians of Reinecker Reha-Technik GmbH or by technicians authorized by the manufacturer. Reinecker Reha-Technik GmbH does not rule deadlines for safety checks. The statements made in §6 MP-Betreiber-Verordnung regarding deadlines - every two years at the latest - are recommended. Statements of the safety condition of a device will be made whilst safety checking according to the standard VDE 0751.

Environmentally friendly disposal according to EC directive 2002/96/EG

The appliance contains electronic components. In order to avoid risks or dangers for the environment through non-professional disposal, the disposal of the product, including all accessories, has to correspond to the valid directives.



Special advice for transport and storage

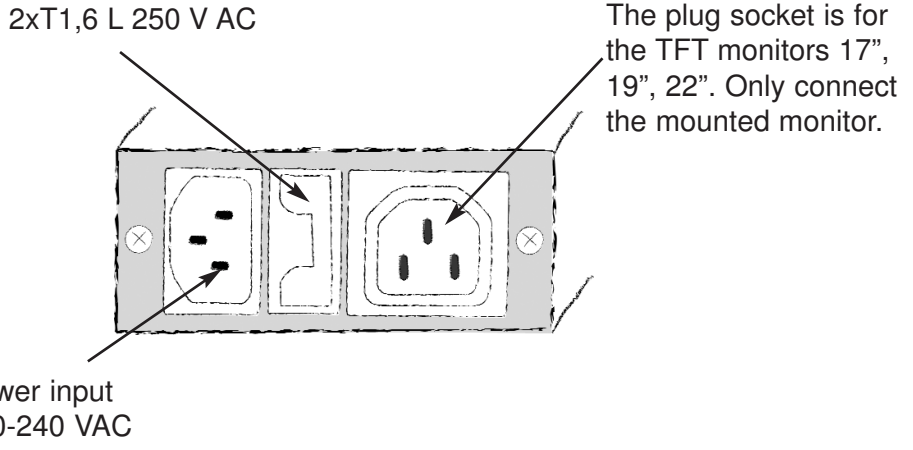
For reasons of safety, the unit must only be transported and stored in the original packing. The unit must be stored in dry and closed rooms in the original packing.
The following conditions for storage and transport have to be respected:

- Temperature range +5° to + 50°
- Relative air humidity 30% to 80%
- Air pressure 700 - 1000 hPa

Power cable

Please use only the original power cable, Article number 30059 supplied by Reinecker Reha-Technik GmbH.
Warning:
Using other accessories than the ones specified may lead to increased emission and/or reduced immunity.

Power input socket with fuse



Product Identity

Type: ◯ Videomatic LUX 17” TFT ◯ Videomatic LUX 22”TFT

◯ Videomatic LUX 19” TFT

Serial-Number:

Manufacturer: Reinecker Reha-Technik GmbH

Supplier:

Year of purchase:

* Operator: 1. 4.

2. 5.

3. 6.

Final examination:	
Date of despatch:	
Power supply:	100 - 240 VAC 50/60 Hz
Power consumption:	ca. 70 Watt to ca. 90 Watt
Installed by:	
** **First safety check:**	

* **Classification:** Attention: When changing of operator, the new operator shall be named in the corresponding column.

** If re-using the unit, a new safety check is required!

Operating and using
§ 5 Abs. 1 MP BetreibV

1. Performance test
2. Instructions

Date	Manufacturer/Supplier	Person responsible	Initials/Stamp

Malfunction or repeated error record

§ 7 Abs. 2 Pkt. 6 MP BetreibV

Date	Description of measures and results	Initials/Stamp

Maintenance record

Maintenance/Inspection/Repair

Date	done by Technician/company	Brief description of measures	Initials/Stamp

Security checks

§ 6 MP BetreibV

Date	done by: Technician/company	Result	Comment	Initials/Stamp

Conditions of warranty

(Valid only within the European Union)

1. Reinecker Reha-Technik GmbH grants a warranty of 24 months against defects in manufacture and subsequent usage.

2. All parts that have been replaced when repairing the unit, will automatically become property of Reinecker Reha-Technik GmbH.

3. Damage caused by improper use or by non-compliance with the operating instructions will result in the invalidation of the warranty.

4. Interventions from persons other than Reinecker Reha-Technik GmbH authorized specialists may lead to invalidity of warranty if the damage is caused by this intervention.

5. Not included in this warranty are the lamps for illumination of the x/y table and other parts subject to wear and tear.

6. If a warranty claim is necessary, the unit must be returned in the original packaging. We will not take responsibility for any transportation cost.

Service Hotline +49 (0) 6257 93110

View our General Terms and Conditions.

Your authorized distributor:

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Sales, Service

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Bitte wenden Sie sich bei Fragen oder einem Servicefall direkt an unser Hauptwerk in Alsbach-Hähnlein oder an eine unserer Niederlassungen.

In case service is necessary, please contact your authorized distributor.

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